Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

CLAIMS

1. (currently amended) In a video decoder, a system for acquiring ~~packetized program~~ information comprising a program conveyed on one of a plurality of broadcast channels, comprising the steps of:

identifying an individual broadcast channel of said plurality of broadcast channels in response to user entry of either of, (a) a first channel identification number and (b) a different second channel identification number;

tuning to receive said identified individual broadcast channel, wherein said tuning process comprises the steps of:

determining said identified broadcast channel as being either analog or digital;

acquiring program guide information transmitted on said identified broadcast channel, wherein said program guide information is transmitted in the vertical blanking interval (VBI) of said identified broadcast channel when determined to be analog, and said program guide information is received from packetized program information of said identified broadcast channel when determined to be digital;

acquiring said packetized program information comprising a program conveyed on said individual broadcast channel using ~~an~~ said acquired program guide information; and

processing said packetized program information to be suitable for display.

2. (original) A system according to claim 1, wherein
said first channel identification number is a transmission channel identification number, and
said second channel identification number is a virtual channel identification number.

3. (original) A system according to claim 2, including the step of
displaying said second channel identification number together with said program, in response to entry of said first channel identification number.

4. (original) A system according to claim 1, wherein
said second channel identification number is comprised of two

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elements, a major number and a minor number.

5. (original) A system according to claim 4, including the step of
displaying said major number and minor number together with said
program, in response to entry of said first channel identification number.

6. (original) A system according to claim 2, including the step of
displaying said first channel identification number together with said
program in response to entry of said second channel identification number.

7. (original) A system according to claim 1, wherein
said second channel identification number is comprised of two
elements, a major number and a minor number, and in absence of user entry of
said minor number a default minor number is used.

8. (original) A system according to claim 1, wherein
said second channel identification number comprises a major
number and a minor number, wherein
said major number is associated with both an information provider
and a group of sub-channels, and
said minor number identifies a sub-channel from among said group
of sub-channels.

9. (original) A system according to claim 8, wherein
said first channel identification number is a transmission channel
identification number, and
said tuning step includes tuning to receive a sub-channel
comprising said identified individual broadcast channel in response to user entry
of said transmission channel identification number and said minor number.

10. (original) A system according to claim 1, wherein
in said identifying step said individual broadcast channel is identified
using acquired program guide information.

11. (original) A system according to claim 1, including the step of
searching a database to identify an individual broadcast channel of
said plurality of broadcast channels in response to user entry of either of, said
first channel identification number and said different second channel identification
number.

12. (currently amended) In a video decoder, a system for acquiring
packetized program information comprising a program conveyed on one of a

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plurality of broadcast channels, comprising the steps of:

acquiring a <u>first</u> program guide containing information mapping a first broadcast channel number to a <u>first</u> different ~~second~~ channel number, said acquired program guide being one of a plurality of different available program guides ~~including a program guide omitting said mapping information~~;

<u>acquiring a second program guide, different from said first program guide, containing information mapping said second broadcast channel number to a second different channel number, said second acquired program being one of said plurality of different available program guides,</u>

tuning to receive <u>packetized program information transmitted on</u> said <u>first</u> different channel in response to user entry of said first broadcast channel number using said acquired program guide;

acquiring packetized program information comprising a program conveyed on said ~~second~~ <u>first different</u> channel.

13. (currently amended) A system according to claim 12, wherein

said first broadcast channel number is a virtual channel identification number, and

said ~~second~~ <u>first different</u> channel ~~identification~~ number is a transmission channel identification number.

14. (original) A system according to claim 12, wherein

said first broadcast channel number is comprised of two elements, a major number and a minor number.

15. (original) A system according to claim 12, wherein

said first broadcast channel number is comprised of two elements, a major number and a minor number, and in absence of user entry of said minor number, a default minor number is used.

16. (original) A system according to claim 14, wherein

said major number is associated with a broadcast information provider.

17. (currently amended) A system according to claim 12, including the step of

selecting said <u>second</u> program guide <u>and corresponding channel mapping information</u> ~~containing mapping information from said plurality of different available program guides including said program guide omitting said mapping information.~~ <u>over said first program guide information when said first broadcast number and said second broadcast number are the same.</u>

18. (currently amended) A system according to claim 12, including the step of

displaying at least one of, (a) said first broadcast channel number, and (b) said ~~second~~ first different channel number, together with said program, in response to user entry of said first broadcast channel number.

19. (original) A system according to claim 18, wherein

said first broadcast channel number comprises a major number and a minor number, wherein

said major number is associated with both an information provider and a group of sub-channels, and

said minor number identifies a sub-channel from among said group of sub-channels.

20. (currently amended) A system according to claim 12, wherein

said first broadcast channel number comprises a major number and a minor number, wherein

said major number is associated with both an information provider and a group of sub-channels, and

said minor number identifies a sub-channel from among said group of sub-channels, and

said ~~second~~ first different channel number is a transmission channel identification number, and

said tuning step includes tuning to receive a sub-channel comprising said second channel in response to user entry of said transmission channel identification number and said minor number.

Claims 21-23 (cancelled)

24. (currently amended) In a video decoder, a system for tuning to acquire packetized program information comprising a program conveyed on one of a plurality of broadcast channels identified by a physical transmission number corresponding to a virtual channel and a virtual channel identification number of said virtual channel including a major number associated with an information provider and a group of sub-channels and a minor number identifying a sub-channel from among said group of sub-channels, comprising the steps of:

navigating within a first list, including a plurality of broadcast channels, to identify and select a broadcast channel and an associated virtual channel identification number, in response to user activation of a first navigation control, wherein the physical transmission number corresponding to said virtual channel identified number is displayed with said virtual channel identification

number;

navigating within a second list of a group of sub-channels associated with said selected broadcast channel to identify and select a sub-channel and an associated minor number, in response to user activation of a second navigation control;

tuning to receive a selected broadcast channel using said selected virtual channel identification number; and

acquiring packetized program information comprising a program conveyed on said broadcast sub-channel using said minor number.

25. (original) A system according to claim 24, wherein

said first navigation control comprises a control for incrementally or decrementally traversing through numbered broadcast channels, and

said second navigation control comprises a control for incrementally or decrementally traversing through numbered sub-channels.

26. (original) A system according to claim 24, wherein

said first and second navigation controls use the same user activated remote control unit button.

27. (original) A system according to claim 24, wherein

said first and second navigation controls use different user activated remote control unit buttons.

28. (original) A system according to claim 24, wherein

said first navigation control comprises a control for incrementally or decrementally traversing through a displayed menu listing numbered broadcast channels, and

said second navigation control comprises a control for incrementally or decrementally traversing through a displayed menu listing numbered sub-channels.

29. (original) A system according to claim 24, including the steps of

generating a displayed menu listing numbered broadcast channels incrementally or decrementally traversed in response to said first navigation control, and

generating a displayed menu listing numbered sub-channels incrementally or decrementally traversed in response to said second navigation control.